



# Australian Bureau of Statistics

## 6291.0.55.001 - Labour Force, Australia, Detailed - Electronic Delivery, Sep 2016

Previous ISSUE Released at 11:30 AM (CANBERRA TIME) 27/10/2016

## Summary

### Main Features

Data from the monthly Labour Force Survey are released in two stages. The Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001) and Labour Force, Australia, Detailed, Quarterly (cat. no. 6291.0.55.003) are part of the second release, and include detailed data not contained in the Labour Force, Australia (cat. no. 6202.0) product set, which is released one week earlier.

The Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001) is released monthly. Labour Force, Australia, Detailed, Quarterly (cat. no. 6291.0.55.003) includes data only collected in February, May, August and November (including industry and occupation).

Since these products are based on the same data as the Labour Force, Australia (cat. no. 6202.0) publication, the 6202.0 Labour Force, Australia Explanatory Notes are relevant to both releases.

With the September 2016 issue of Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001) the ABS will publish detailed Labour Force data in pivot table format, in addition to the existing suite of SuperTable data cube outputs. SuperTable data cube outputs will be discontinued after the July 2017 issue.

## Labour Force Pivot Tables

### LABOUR FORCE PIVOT TABLES

Commencing with the August 2016 issue of Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001), the ABS is now publishing detailed Labour Force data in pivot table format, in addition to the existing suite of SuperTable data cube outputs.

Pivot tables will increase the accessibility of Labour Force data, as well as provide a long term replacement for the unsupported Summary Record Database (SRD) format. The pivot table products reflect the design and utility of the existing Summary Record Database (SRD) data cubes as closely as possible. In addition, the inclusion of a comma separated variable (CSV) source worksheet in each pivot table is expected to be of particular interest to people who undertake statistical analysis using a range of software.

The ABS will continue to release the SRD data cubes until July 2017, to allow for a transition to pivot tables, after which point the ABS intends to cease publishing Labour Force SRD data cubes.

The ABS will also follow a similar twelve month process to transition from SRD data cubes to pivot tables for the detailed quarterly data, starting with the November 2016 issue of Labour Force, Australia, Detailed, Quarterly (cat. no. 6291.0.55.003).

A similar transition for the GM1 data cube in Labour Force, Australia (cat. no. 6202.0) will also commence, most likely in 2017.

## Insights from the Original Data

### INSIGHTS FROM THE ORIGINAL DATA

#### SAMPLE COMPOSITION

The Labour Force Survey sample can be thought of as comprising eight sub-samples (or rotation groups), with each sub-sample remaining in the survey for eight months, and one rotation group "rotating out" each month and being replaced by a new group "rotating in". This sample rotation is important in ensuring that seven-eighths of the sample are common from one month to the next, to ensure that changes in the estimates reflect real changes in the labour market, rather than the sample. In addition, the replacement sample is generally selected from the same geographic areas as the outgoing one, as part of a representative sampling approach.

When considering movements in the original estimates, it is possible to decompose the sample into three components:

- the matched common sample (survey respondents who responded in both August and September);
- the unmatched common sample (respondents in September who did not respond in August, or vice versa); and
- the incoming rotation group (who replaced respondents who rotated out in August).

The detailed decomposition of each of these movements is included in the data cube 'Insights From the Original Data'.

In considering the three components of the sample, it is important to remember that the matched common sample describes the change observed for the same respondents between August and September, while the other two components reflect differences between the aggregate labour force status of different groups of people.

While the rotation groups are designed to be representative of the population, the outgoing and incoming rotation groups will almost always have somewhat different characteristics, as a result of the groups representing a sample of different households and people. The design of the survey, including the weighting and estimation processes, ensures that these differences are generally relatively minor and seeks to ensure that differences in characteristics of rotation groups do not affect the representativeness of the survey and its estimates. Monthly estimates are always designed to be representative of their respective

months, regardless of the relative contribution of the three components of the sample.

## **INCOMING ROTATION GROUP**

In original terms, the incoming rotation group in September 2016 had a lower employment to population ratio than the group it replaced (58.8% in August 2016, down to 58.3% in September 2016).

The proportion of employed people who were employed full-time was slightly higher than the group it replaced, with 69.2% of employed people employed full-time in the outgoing rotation group in August 2016 and 69.3% of employed people in the incoming rotation group in September 2016.

## **INCOMING ROTATION GROUP - QUEENSLAND**

The incoming rotation group in Queensland in September 2016 was noticeably different in its labour force characteristics to the group that it replaced, and to the rest of the Queensland sample rotation groups, with a greater level of influence on the current month's estimate and movement estimate than usual.

Through the Composite Estimation process the ABS has temporarily reduced the influence of this rotation group for September estimates and this is reflected in original, seasonally adjusted and trend estimates. This means that the remaining 7/8 of the Queensland sample will have a higher influence and contribution to the September estimates, with a marginal increase in standard errors for the estimates for this month.

The ABS will review this when October data for this rotation group are available. In the meantime, the ABS encourages users of the GM1 data cube to exercise caution in interpreting incoming and outgoing rotation group changes for Queensland, and, to a lesser extent, Australia.

## **OUTGOING ROTATION GROUP**

In looking ahead to the October 2016 estimates, the outgoing rotation group in September 2016, which will be replaced by a new incoming rotation group in October 2016, had a slightly lower employment to population ratio (60.7% in September 2016) compared to the sample as a whole (60.8% in September 2016).

In original terms, the unemployment rate for the outgoing rotation group in September 2016 was 5.2%, which was lower than the 5.5% for the whole sample. The participation rate for the outgoing rotation group in September 2016 was 64.0%, slightly lower than the 64.3% for the whole sample.

## **THE IMPORTANCE OF TREND DATA**

As the gross flows and rotation group data are presented in original terms they are not directly comparable to the seasonally adjusted and trend data discussed elsewhere in the commentary, and are included to provide additional information for the original data. Since the original data are unadjusted, they have a considerable level of inherent sampling variability, which is specifically adjusted for in the trend series. The trend data provide the best measure of the underlying behaviour of the labour market and are the focus of the

commentary in this publication.

## Article Archive

This section provides an archive of articles and analysis published in Labour Force, Australia (cat. no. 6202.0) and Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001), promoting the effective use of labour force statistics. Articles are sorted by publication date.

Articles on labour related topics are also available in Australian Labour Market Statistics (cat. no. 6105.0) and Australian Social Trends (cat. no. 4102.0).

### Labour Force Survey Archive

What's New In The Labour Force	August 2016
Advice on Reporting Regional Labour Force Data	July 2016
What's New in the Labour Force	July 2016
Revisions to Monthly hours worked in all jobs	July 2016
Annual Seasonal Re-analysis	March 2016
Online Collection in the Labour Force Survey	February 2016
What's New in the Labour Force	February 2016
What's New in the Labour Force	January 2016
What's New in the Labour Force	December 2015
Measures of Underemployment and Underutilisation	November 2015
Update on Recommendation 7 from the Independent Technical Review	November 2015
What's New in the Labour Force	November 2015
What's New in the Labour Force	October 2015
What's New in the Labour Force	September 2015
Online Collection in the Labour Force Survey	August 2015
What's New in the Labour Force	July 2015
Progress with recommendations from the Independent Technical Review	July 2015
Assessing Volatility in the Labour Force Series	June 2015
What's New in the Labour Force	June 2015

Update on Recommendations 10 and 11 from the Independent Technical Review	June 2015
What's New in the Labour Force	May 2015
Update on Recommendation 7 from the Independent Technical Review	April 2015
What's New in the Labour Force	March 2015
What's New in the Labour Force	March 2015
Annual Seasonal Reanalysis	March 2015
Update on Recommendations from the Independent Technical Review	February 2015
What's new in the Labour Force	February 2015
Online Collection in the Labour Force Survey	February 2015
Rebenchmarking Labour Force Estimates	January 2015
What's new in the Labour force	December 2014
What's new in the Labour force	November 2014
Independent Technical Review into the Labour Force Survey and ABS Response	November 2014
What's new in the Labour force	October 2014
Removing the effect of Supplementary Surveys from seasonally adjusted estimates	September 2014
Changes in this and upcoming labour force issues	August 2014
Changes in this and upcoming labour force issues	July 2014
What's new in the Labour force	June 2014
What's new in the Labour force	May 2014
What's new in the Labour force	February 2014
What's new in the Labour force	January 2014
What's new in the Labour force	December 2013
Rebenchmarking Labour Force Estimates to the 2011 Census of Population and Housing	December 2013
What's new in the Labour force	November 2013
Understanding the Australian Labour Force using ABS statistics	September 2013
What's new in the Labour Force	September 2013
	June 2013

Understanding full-time/part-time status in the Labour Force Survey	June 2013
What's new in the Labour Force	May 2013
Fact sheet did you know - Underemployment	May 2013
What's new in the Labour Force	May 2013
New Labour Force Sample Design	April 2013
Annual Seasonal Reanalysis	April 2013
What's new in Labour Force	February 2013
Transition to online collection of the Labour Force Survey	January 2013
What's new in Labour Force	January 2013
Estimating Jobs in the Australian Labour Market	January 2013
Forthcoming improvements to the content of the Labour Force and Labour Supplementary Surveys	November 2012
What's new in Labour Force	July 2012
Understanding the Australian Labour Force using ABS statistics	June 2012
Rebenchmarking of Labour Force Series	May 2012
Upcoming changes to the Labour Force Survey	April 2012
Labour Household Surveys content review and the Labour Force Survey	April 2012
Employment and mining in Queensland, New South Wales and Western Australia	March 2012
ABS Response to recent concerns expressed about employment estimates	January 2012
Population Benchmarks and Labour Force Survey	November 2011
Annual Seasonal Reanalysis	February 2011
Exploring Labour Force Data on joblessness	January 2011
Employment level estimates versus employment to population explained	
Understanding the Australian Labour Force using ABS statistics	
Historical Revisions	
Impact of the floods on the Labour Force Survey	

## About this Release

A range of Excel spreadsheets and SuperTABLE datacubes. The monthly spreadsheets contain broad level data covering all the major items of the Labour Force Survey in time series format, including seasonally adjusted and trend estimates. The monthly datacubes contain more detailed and cross classified original data than the spreadsheets.

## Explanatory Notes

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Data from the monthly Labour Force Survey are released in two stages. The Labour Force, Australia, Detailed - Electronic Delivery (cat. no. 6291.0.55.001) and Labour Force, Australia, Detailed, Quarterly (cat. no. 6291.0.55.003) are part of the second release, and include detailed data not contained in the Labour Force, Australia (cat. no. 6202.0) product set, which is released one week earlier.

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## Standard Errors

Estimates from the Labour Force Survey (LFS) are based on information collected from people in a sample of dwellings, rather than the entire population. Hence the estimates produced may differ from those that would have been produced if the entire population had been included in the survey. The most common measure of the likely difference (or 'sampling error') is the **standard error** (SE).

The ABS considers that estimates with a relative standard error of 25% or more may be subject to sampling variability too high for most practical purposes.

To indicate those cells in spreadsheets with a relative standard error of 25% or more, annotations have been applied prior to dissemination.

In addition, the tables below have been supplied to show estimates at which the relative standard error is 25%. Estimates of the size indicated in the tables, or smaller, are considered to be subject to sampling variability too high for most practical purposes.

Due to the January 2011 flooding in Queensland the relative standard errors for January 2011 will be higher than normal in some regions, therefore for Queensland the estimates at

which the relative standard error is 25% will be higher than they appear in the tables below. However from February, the data returns to normal.

The new labour force sample was phased-in over four months from May to August 2013. During phase in of the new sample, standard errors associated with key labour force data were expected to increase by approximately 10% at a national level, however increased standard errors and variability in the estimates may be more evident in detailed regional data during this time.

The RSEs for July 2013 (50% old sample, 50% new sample) and onwards will be subject to revisions in the future, as more information is known about the new sample after it has been introduced.

Additional information on how standard errors for LFS estimates are produced is available in Labour Force Survey Standard Errors, Data Cube (cat. no. 6298.0.55.001).

<b>State</b>	<b>NSW</b>	<b>Vic</b>	<b>Qld</b>	<b>SA</b>	<b>WA</b>	<b>Tas</b>	<b>NT</b>	<b>ACT</b>	<b>Aust</b>
<b>Employed</b>									
Feb-78 — Sep-82	4.5	4.5	3.5	2.5	2.5	1.5	1.8	2.0	4.5
Oct-82 — Aug-87	4.0	4.0	3.0	1.8	2.0	1.0	1.8	1.3	3.5
Sep-87 — Feb-89	4.5	4.5	3.0	2.0	2.5	1.3	1.8	1.5	4.0
Mar-89 — Aug-92	4.5	4.5	3.0	2.1	2.3	1.3	2.0	1.4	3.5
Sep-92 — Aug-97	5.3	4.6	3.5	2.4	2.9	1.3	1.3	1.0	4.0
Sep-97 — Sep-98	5.9	4.5	4.1	2.4	2.8	1.1	1.0	1.1	4.4
Oct-98 — Feb-03	5.9	3.1	3.7	2.5	2.2	1.1	1.3	0.9	5.5
Mar-03 — Oct-07	6.3	3.0	4.4	2.3	2.5	1.3	1.5	1.1	6.6
Nov-07	6.2	3.2	4.3	2.3	2.5	1.3	1.4	1.1	6.4
Dec-07	6.1	3.4	4.3	2.3	2.6	1.3	1.3	1.1	6.2
Jan-08	6.0	3.6	4.2	2.3	2.6	1.3	1.3	1.2	6.0
Feb-08	5.9	3.8	4.2	2.4	2.7	1.3	1.2	1.2	5.9
Mar-08	5.9	4.1	4.2	2.4	3.0	1.2	1.1	1.2	5.7
Apr-08	5.8	4.4	4.4	2.5	3.1	1.3	1.0	1.3	5.6
May-08	5.7	4.7	4.3	2.5	3.1	1.3	1.0	1.3	5.4
Jun-08	5.5	4.9	4.3	2.5	3.3	1.3	1.0	1.3	5.3
Jul-08 — Aug-09	6.9	6.1	5.3	3.1	4.0	1.5	1.2	1.6	7.4
Sep-09	6.5	5.8	5.0	2.9	3.8	1.5	1.1	1.5	7.0
Oct-09	6.1	5.5	4.7	2.8	3.6	1.4	1.0	1.4	6.5
Nov-09	5.8	5.2	4.5	2.6	3.4	1.3	1.0	1.4	6.2
Dec-09 — Jun-13	5.5	4.9	4.3	2.5	3.3	1.3	1.0	1.3	5.8
Jul-13 — Jan-14	7.7	3.8	5.5	2.7	3.8	1.4	0.3	1.7	7.8
Feb-14 onwards	7.9	3.9	5.6	2.7	3.8	1.4	0.3	1.7	7.9
<b>Unemployed</b>									
Feb-78 — Sep-82	4.5	4.5	3.5	2.5	2.5	1.5	1.8	2.0	4.5
Oct-82 — Aug-87	4.0	4.0	3.0	1.8	2.0	1.0	1.8	1.3	3.5
Sep-87 — Feb-89	4.5	4.5	3.0	2.0	2.5	1.3	1.8	1.5	4.0
Mar-89 — Aug-92	4.5	4.5	3.0	2.1	2.3	1.3	2.0	1.4	3.5
Sep-92 — Aug-97	5.3	4.6	3.5	2.4	2.9	1.3	1.3	1.0	4.0
Sep-97 — Sep-98	5.9	4.5	4.1	2.4	2.8	1.1	1.0	1.1	4.4
Oct-98 — Feb-03	5.7	5.7	4.5	2.6	3.3	1.3	3.2	1.4	4.9
Mar-03 — Oct-07	6.0	5.4	4.9	2.9	3.6	1.6	2.2	1.6	5.2
Nov-07	6.1	5.4	5.0	2.9	3.7	1.6	2.1	1.7	5.2
Dec-07	6.2	5.5	5.0	2.9	3.8	1.7	1.9	1.7	5.2
Jan-08	6.3	5.6	5.0	3.0	4.0	1.7	1.8	1.8	5.2

Feb-08	6.4	5.7	5.1	3.0	4.1	1.7	1.7	1.8	5.1
Mar-08	6.7	5.7	5.2	3.1	4.5	1.8	1.6	1.9	5.1
Apr-08	6.8	5.9	5.5	3.2	4.6	1.9	1.5	1.9	5.2
May-08	6.9	6.0	5.5	3.3	4.8	1.9	1.4	2.0	5.1
Jun-08	7.1	6.1	5.6	3.3	5.0	1.9	1.4	2.1	5.1
Jul-08 — Aug-09	9.3	8.0	7.4	4.4	6.6	2.5	1.8	2.8	7.3
Sep-09	8.7	7.5	6.8	4.1	6.1	2.4	1.6	2.5	6.8
Oct-09	8.1	7.0	6.4	3.8	5.7	2.2	1.5	2.4	6.4
Nov-09	7.5	6.5	6.0	3.5	5.3	2.1	1.5	2.2	6.0
Dec-09 — Jun-13	7.1	6.1	5.6	3.3	5.0	1.9	1.4	2.1	5.7
Jul-13 — Jan-14	7.3	6.6	8.4	3.7	5.8	1.7	1.3	2.2	7.1
Feb-14 onwards	7.4	6.7	8.6	3.8	5.9	1.8	1.3	2.3	7.3

### NILF

Feb-78 — Sep-82	4.5	4.5	3.5	2.5	2.5	1.5	1.8	2.0	4.5
Oct-82 — Aug-87	4.0	4.0	3.0	1.8	2.0	1.0	1.8	1.3	3.5
Sep-87 — Feb-89	4.5	4.5	3.0	2.0	2.5	1.3	1.8	1.5	4.0
Mar-89 — Aug-92	4.5	4.5	3.0	2.1	2.3	1.3	2.0	1.4	3.5
Sep-92 — Aug-97	5.3	4.6	3.5	2.4	2.9	1.3	1.3	1.0	4.0
Sep-97 — Sep-98	5.9	4.5	4.1	2.4	2.8	1.1	1.0	1.1	4.4
Oct-98 — Feb-03	6.4	3.7	4.1	3.2	2.7	1.2	1.4	1.1	6.0
Mar-03 — Oct-07	7.8	3.7	5.2	3.0	3.2	1.5	2.0	1.3	7.3
Nov-07	7.6	3.9	5.1	3.0	3.2	1.5	1.8	1.3	7.0
Dec-07	7.4	4.1	5.1	3.0	3.3	1.5	1.7	1.4	6.8
Jan-08	7.3	4.4	5.0	3.0	3.4	1.5	1.6	1.4	6.6
Feb-08	7.1	4.7	5.0	3.1	3.5	1.5	1.5	1.4	6.3
Mar-08	7.1	5.0	4.9	3.1	3.8	1.5	1.3	1.5	6.2
Apr-08	7.0	5.4	5.3	3.2	3.9	1.5	1.2	1.5	6.0
May-08	6.8	5.7	5.2	3.2	4.0	1.5	1.1	1.6	5.8
Jun-08	6.6	6.0	5.2	3.2	4.1	1.5	1.1	1.6	5.6
Jul-08 — Aug-09	8.3	7.6	6.5	4.0	5.2	1.8	1.4	2.0	8.0
Sep-09	7.8	7.2	6.1	3.7	4.9	1.7	1.3	1.9	7.4
Oct-09	7.3	6.7	5.8	3.5	4.6	1.6	1.2	1.8	6.9
Nov-09	6.9	6.4	5.4	3.3	4.4	1.6	1.2	1.7	6.5
Dec-09 — Jun-13	6.6	6.0	5.2	3.2	4.1	1.5	1.1	1.6	6.2
Jul-13 — Jan-14	8.4	4.4	9.8	3.6	4.5	1.8	0.7	2.5	9.0
Feb-14 onwards	8.5	4.5	9.9	3.7	4.6	1.8	0.8	2.5	9.1

Greater Capital City Statistical Areas	Feb-78	Oct-82	Sep-87	Mar-89	Sep-92	Sep-97 — Oct-98	Feb-03
	—	—	—	—	—	Sep-97 — Sep-98	
	Sep-82	Aug-87	Feb-89	Aug-92	Aug-97		
Greater Sydney	4.5	4.0	4.5	4.5	5.3	5.7	5.8
Rest of NSW	4.5	4.0	4.5	4.5	5.3	5.7	5.8
Greater Melbourne	4.5	4.0	4.5	4.5	4.6	4.6	3.3
Rest of Victoria	4.5	4.0	4.5	4.5	4.6	4.3	3.2
Greater Brisbane	3.5	3.0	3.0	3.0	3.5	3.7	3.4
Rest of Queensland	3.5	3.0	3.0	3.0	3.6	4.3	3.6
Greater Adelaide	2.5	1.8	2.0	2.1	2.4	2.4	2.7
Rest of South Australia	2.5	1.8	2.0	2.1	2.5	2.2	2.5
Greater Perth	2.5	2.0	2.5	2.3	2.9	2.6	2.3
Rest of Western Australia	2.5	2.0	2.5	2.3	2.9	2.8	2.2
Greater Hobart	1.5	1.0	1.3	1.3	1.3	1.1	0.9
Rest of Tasmania	1.5	1.0	1.3	1.3	1.3	1.1	1.1

	<b>Mar-03</b>	<b>Mar-08</b>	<b>Jul-08 — Nov-09</b>		<b>Jul-13 — Feb-14</b>	
	—	—	<b>Oct-09</b>	—	<b>Jan-14</b>	<b>onwards</b>
	<b>Feb-08</b>	<b>Jun-08</b>			<b>Jun-13</b>	
Greater Sydney	6.5	5.7	7.1	5.7	7.6	7.7
Rest of NSW	6.4	5.6	7.0	5.6	7.5	7.6
Greater Melbourne	3.2	5.1	6.4	5.1	4.0	4.0
Rest of Victoria	3.1	5.0	6.3	5.0	3.9	3.9
Greater Brisbane	4.1	4.0	5.0	4.0	5.9	6.0
Rest of Queensland	4.4	4.3	5.4	4.3	6.3	6.4
Greater Adelaide	2.5	2.7	3.4	2.7	3.0	3.0
Rest of South Australia	2.4	2.5	3.1	2.5	2.8	2.8
Greater Perth	2.6	3.5	4.3	3.5	3.9	4.0
Rest of Western Australia	2.5	3.3	4.1	3.3	3.7	3.8
Greater Hobart	1.1	1.1	1.4	1.1	1.3	1.3
Rest of Tasmania	1.3	1.3	1.6	1.3	1.5	1.5
<b>Statistical Area Level 4 Oct-98 Regions</b>	<b>Oct-98</b>	<b>Mar-03</b>	<b>Mar-08</b>	<b>Jul-08</b>	<b>Nov-09</b>	<b>Jul-13</b>
	—	—	—	—	—	<b>Feb-14 onwards</b>
	<b>Feb-03</b>	<b>Feb-08</b>	<b>Jun-08</b>	<b>Oct-09</b>	<b>Jun-13</b>	<b>Jan-14</b>
Central Coast	7.4	8.5	7.2	9.4	7.2	10.2
Sydney - Baulkham Hills and Hawkesbury	7.2	8.3	7.0	9.2	7.0	10.0
Sydney - Blacktown	7.3	8.3	7.1	9.3	7.1	10.0
Sydney - City and Inner South	8.5	9.7	8.3	10.8	8.3	11.7
Sydney - Eastern Suburbs	9.6	11.0	9.3	12.2	9.3	13.1
Sydney - Inner South West	7.3	8.4	7.1	9.3	7.1	10.1
Sydney - Inner West	7.7	8.8	7.5	9.8	7.5	10.6
Sydney - North Sydney and Hornsby	7.6	8.6	7.3	9.6	7.3	10.4
Sydney - Northern Beaches	7.8	8.9	7.6	9.9	7.6	10.7
Sydney - Outer South West	7.3	8.4	7.1	9.3	7.1	10.1
Sydney - Outer West and Blue Mountains	7.3	8.3	7.1	9.3	7.1	10.0
Sydney - Parramatta	7.8	8.9	7.6	10.0	7.6	10.8
Sydney - Ryde	7.7	8.8	7.5	9.8	7.5	10.6
Sydney - South West	7.5	8.6	7.3	9.6	7.3	10.4
Sydney - Sutherland	7.4	8.4	7.2	9.4	7.2	10.1
Capital Region	7.2	8.2	7.0	9.2	7.0	9.9
Central West	7.6	8.7	7.4	9.7	7.4	10.5
Coffs Harbour - Grafton	7.6	8.7	7.4	9.7	7.4	10.5
Far West and Orana	7.4	8.4	7.2	9.4	7.2	10.1
Hunter Valley exc Newcastle	7.1	8.1	6.9	9.0	6.9	9.8
Illawarra	7.6	8.7	7.4	9.7	7.4	10.5
Mid North Coast	7.5	8.6	7.3	9.6	7.3	10.3
Murray	7.6	8.6	7.4	9.6	7.4	10.4
New England and North West	7.6	8.7	7.4	9.7	7.4	10.5

Newcastle and Lake Macquarie	7.1	8.1	6.9	9.0	6.9	9.8	9.9
Richmond - Tweed	7.6	8.7	7.4	9.7	7.4	10.5	10.7
Riverina	7.6	8.6	7.4	9.6	7.4	10.4	10.6
Southern Highlands and Shoalhaven	9.0	10.3	8.7	11.4	8.7	12.3	12.6
Melbourne - Inner	4.1	3.9	7.2	9.4	7.2	5.2	5.3
Melbourne - Inner East	3.6	3.4	6.2	8.2	6.2	4.5	4.6
Melbourne - Inner South	3.7	3.5	6.4	8.4	6.4	4.7	4.8
Melbourne - North East	3.8	3.6	6.6	8.6	6.6	4.8	4.9
Melbourne - North West	3.7	3.6	6.5	8.6	6.5	4.7	4.8
Melbourne - Outer East	3.8	3.6	6.6	8.7	6.6	4.8	4.9
Melbourne - South East	3.6	3.4	6.3	8.3	6.3	4.6	4.7
Melbourne - West	3.5	3.4	6.1	8.1	6.1	4.4	4.5
Mornington Peninsula	3.6	3.5	6.4	8.3	6.4	4.6	4.7
Ballarat	4.0	3.8	6.9	9.1	6.9	5.0	5.1
Bendigo	3.8	3.7	6.7	8.8	6.7	4.9	5.0
Geelong	3.7	3.5	6.5	8.5	6.5	4.7	4.8
Hume	4.3	4.1	7.4	9.7	7.4	5.4	5.5
Latrobe - Gippsland	4.1	3.9	7.2	9.4	7.2	5.2	5.3
North West	3.9	3.7	6.8	8.9	6.8	4.9	5.0
Shepparton	4.3	4.1	7.4	9.7	7.4	5.4	5.5
Warrnambool and South West	3.7	3.5	6.5	8.5	6.5	4.7	4.8
Brisbane - East	4.1	5.1	5.1	6.7	5.1	8.1	8.2
Brisbane - North	4.1	5.2	5.1	6.7	5.1	8.1	8.3
Brisbane - South	4.2	5.2	5.2	6.8	5.2	8.2	8.4
Brisbane - West	4.1	5.2	5.1	6.7	5.1	8.2	8.3
Brisbane Inner City	4.2	5.3	5.3	6.9	5.3	8.4	8.6
Ipswich	4.0	5.0	5.0	6.5	5.0	7.9	8.1
Logan - Beaudesert	4.3	5.4	5.3	7.0	5.3	8.4	8.6
Moreton Bay - North	3.9	4.9	4.8	6.4	4.8	7.7	7.9
Moreton Bay - South	3.9	4.9	4.8	6.3	4.8	7.7	7.9
Cairns	4.9	6.2	6.1	8.0	6.1	9.7	9.9
Darling Downs - Maranoa	4.6	5.8	5.7	7.5	5.7	9.1	9.3
Fitzroy	4.2	5.3	5.2	6.9	5.2	8.3	8.5
Gold Coast	4.3	5.5	5.4	7.1	5.4	8.6	8.7
Mackay	4.2	5.3	5.2	6.9	5.2	8.3	8.5
Queensland - Outback	4.7	5.9	5.8	7.6	5.8	9.2	9.4
Sunshine Coast	4.3	5.4	5.3	7.0	5.3	8.5	8.7
Toowoomba	4.6	5.8	5.7	7.5	5.7	9.0	9.2
Townsville	4.7	5.9	5.8	7.6	5.8	9.2	9.4
Wide Bay	4.6	5.8	5.7	7.5	5.7	9.0	9.2
Adelaide - Central and Hills	3.3	3.1	3.3	4.3	3.3	3.7	3.8
Adelaide - North	3.3	3.0	3.3	4.3	3.3	3.7	3.8
Adelaide - South	3.4	3.1	3.4	4.4	3.4	3.8	3.9
Adelaide - West	3.7	3.4	3.7	4.8	3.7	4.1	4.2
Barossa - Yorke - Mid North	3.5	3.2	3.5	4.5	3.5	3.9	4.0
South Australia - Outback	3.7	3.4	3.7	4.8	3.7	4.1	4.2

South Australia - South East	3.1	2.8	3.1	4.0	3.1	3.5	3.5
Mandurah	2.4	2.8	4.0	5.2	4.0	4.6	4.7
Perth - Inner	3.1	3.5	4.9	6.5	4.9	5.8	5.9
Perth - North East	2.9	3.3	4.6	6.1	4.6	5.4	5.5
Perth - North West	2.8	3.2	4.5	5.9	4.5	5.2	5.3
Perth - South East	2.9	3.3	4.7	6.1	4.7	5.5	5.6
Perth - South West	2.7	3.1	4.3	5.7	4.3	5.0	5.1
Bunbury	2.4	2.8	4.0	5.2	4.0	4.6	4.7
Western Australia - Outback	2.8	3.3	4.6	6.0	4.6	5.4	5.5
Western Australia - Wheat Belt	2.6	3.0	4.2	5.5	4.2	4.9	5.0
Greater Hobart	0.9	1.1	1.1	1.4	1.1	1.3	1.3
Launceston and North East	1.3	1.5	1.5	1.9	1.5	1.7	1.8
Tasmania - South East	1.6	1.9	1.9	2.4	1.9	2.2	2.2
Tasmania - West and North West	1.3	1.6	1.6	2.0	1.6	1.8	1.8
Darwin	1.4	1.7	1.0	1.3	1.0	0.9	0.9
Northern Territory - Outback	1.4	1.7	1.0	1.3	1.0	0.9	0.9

## Quality Declaration - Summary

### QUALITY DECLARATION - SUMMARY

#### INSTITUTIONAL ENVIRONMENT

Labour Force statistics are compiled from the Labour Force Survey which is conducted each month throughout Australia as part of the Australian Bureau of Statistics (ABS) household survey program. For information on the institutional environment of the Australian Bureau of Statistics (ABS), including the legislative obligations of the ABS, financing and governance arrangements, and mechanisms for scrutiny of ABS operations, please see ABS Institutional Environment.

#### RELEVANCE

The Labour Force Survey provides monthly information about the labour market activity of Australia's resident civilian population aged 15 years and over. The Labour Force Survey is designed to primarily provide estimates of employment and unemployment for the whole of Australia and, secondarily, for each state and territory.

#### TIMELINESS

The Labour Force Survey enumeration begins on the Sunday between the 5th and 11th of the month, except for the Christmas and New Year holiday period. In December enumerations starts between the 3rd and 9th (4 weeks after November enumeration begins). In January enumeration starts between the 7th and 13th (5 weeks after December

enumeration begins).

Key estimates from the Labour Force Survey are published in two stages. The first, *Labour Force, Australia* (cat. no. 6202.0), is released 39 days after the commencement of enumeration for the month, with the exception of estimates for December which are published 46 days after the commencement of enumeration.

The second stage includes detailed data that were not part of the first stage and are published in *Labour Force, Australia, Detailed - Electronic Delivery* (cat. no. 6291.0.55.001) and *Labour Force, Australia, Detailed, Quarterly* (cat. no. 6291.0.55.003). The second stage is released 7 days after the first stage.

## ACCURACY

The Labour Force Survey is based on a sample of private dwellings (approximately 26,000 houses, flats etc) and non-private dwellings, such as hotels and motels. The sample covers about 0.32% of the Australian civilian population aged 15 years or over. The Labour Force Survey is designed primarily to provide estimates of key labour force statistics for the whole of Australia and, secondarily, for each state and territory.

Two types of error are possible in an estimate based on a sample survey: non-sampling error and sampling error.

Non-sampling error arises from inaccuracies in collecting, recording and processing the data. Every effort is made to minimise reporting error by the careful design of questionnaires, intensive training and supervision of interviewers, and efficient data processing procedures. Non-sampling error also arises because information cannot be obtained from all persons selected in the survey. The Labour Force Survey receives a high level of cooperation, with an average response rate for the last year being 93%.

Sampling error occurs because a sample, rather than the entire population, is surveyed. One measure of the likely difference resulting from not including all dwellings in the survey is given by the standard error. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included in the survey, and about nineteen chances in twenty that the difference will be less than two standard errors.

Standard errors of key estimates and movements since the previous month are available in *Labour Force, Australia* (cat. no. 6202.0). The standard error of other estimates and movements may be calculated by using the spreadsheet contained in *Labour Force Survey Standard Errors, Data Cube* (cat. no. 6298.0.55.001).

## COHERENCE

The ABS has been conducting the Labour Force Survey each month since February 1978. While seeking to provide a high degree of consistency and comparability over time by minimising changes to the survey, sound survey practice requires careful and continuing maintenance and development to maintain the integrity of the data and the efficiency of the collection.

The changes which have been made to the Labour Force Survey have included changes in sampling methods, estimation methods, concepts, data item definitions, classifications, and time series analysis techniques. In introducing these changes the ABS has generally revised previous estimates to ensure consistency and coherence with current estimates. For a full list of changes made to the Labour Force Survey see Chapter 20 in *Labour Statistics: Concepts, Sources and Methods* (cat. no. 6102.0.55.001).

## INTERPRETABILITY

The ABS has been conducting the Labour Force Survey each month since February 1978. While seeking to provide a high degree of consistency and comparability over time by minimising changes to the survey, sound survey practice requires careful and continuing maintenance and development to maintain the integrity of the data and the efficiency of the collection.

The changes which have been made to the Labour Force Survey have included changes in sampling methods, estimation methods, concepts, data item definitions, classifications, and time series analysis techniques. In introducing these changes the ABS has generally revised previous estimates to ensure consistency and coherence with current estimates. For a full list of changes made to the Labour Force Survey see Chapter 20 in *Labour Statistics: Concepts, Sources and Methods* (cat. no. 6102.0.55.001).

## ACCESSIBILITY

Please see the Related Information tab for the list of products that are available from this collection.

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